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DIALOG(R)File 351:Derwent WPI
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**Production of filled and curable intermediate polyethylene material
useful for heavy current cable insulation**

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Number of Countries: 025 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19833661	C1	19990826	DE 1033661	A	19980727	199940 B
WO 200006640	A1	20000210	WO 99EP5267	A	19990723	200016

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Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19833661	C1		3	C08L-023/06	
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WO 200006640	A1	G		C08K-003/22	
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Designated States (National): CZ HR HU PL SI SK YU

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
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Abstract (Basic): DE 19833661 C1

NOVELTY - Production of an intermediate polyethylene material from 2 polyethylene components comprises homogenizing a first polyethylene (I), which is more than 60 wt.% filled, and a second, curable and unfilled polyethylene (II) to give a blend with 20-45 wt.% filler.

USE - The blend is used for making 20-45 wt.% filled end products immediately after homogenization, especially for making insulation for heavy current cable (all claimed).

ADVANTAGE - It is normally difficult to incorporate large amounts of filler in polyethylene, especially compositions cur silane or peroxide cure. Products with the required properties and filler contents of over 20 wt.%, preferably 20-45, especially 30-35 wt.%, can be produced easily by mixing the 2 components and processing with ordinary machinery, without major changes.

pp; 3 DwgNo 0/0

Derwent Class: A17; A18; A85; X12

International Patent Class (Main): C08K-003/22; C08L-023/06

International Patent Class (Additional): C08J-003/20; C08J-003/22;

C08K-003/26; C08L-023/04; H01B-003/44

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